

## IDENTIFICATION

**Species:** *Aquilegia coerulea*

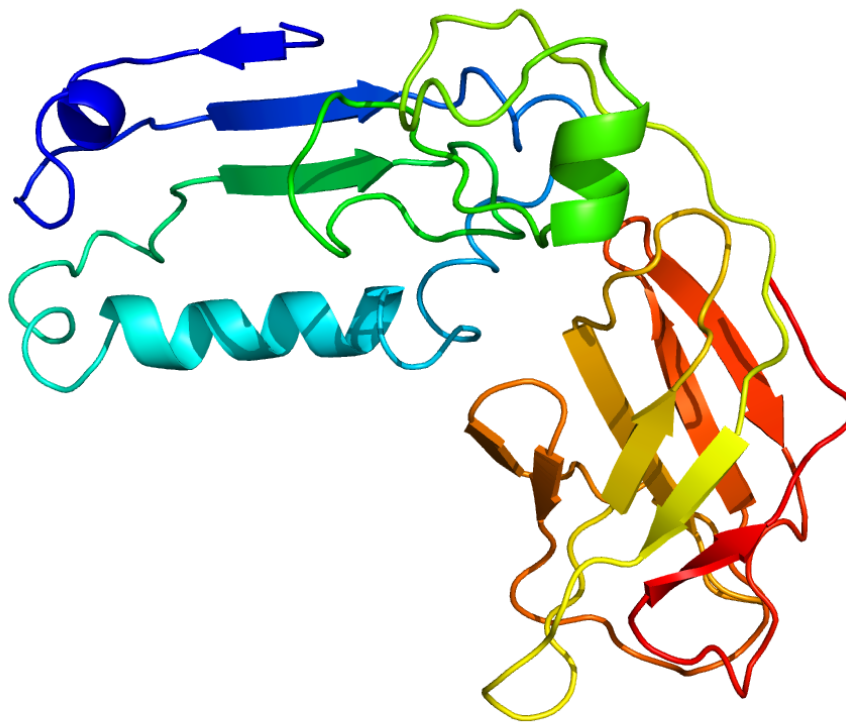
**Locus:** Aqcoe5G239400

**Gene Model:** Aqcoe5G239400.1.p

**Description:** AcEXPA-15

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

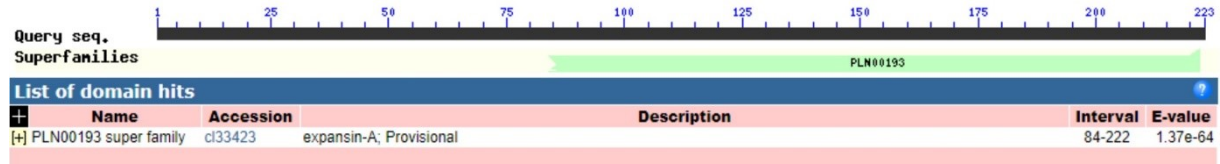
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Acoerulea\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Acoerulea_v3_1)

## EXTERNAL RESOURCES

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>AcEXPA-15

MLLINFREIHKFCNLSAKICPLLIHVQKSLEQTQVRPRTVMKKFMKFVWVRSRLLTD  
LRGRKQLKQLKFALMEKLLHLEILRNNGGWCNPPRQHFDMSQPAFQKIAVSKAGIEP  
VLYRKGSCKRTGGIRLTITRRDYFDLVLINNVGATGDIKVVWMKGSKTNSWEPMSR  
NWGSNCQSSTYLNRQSLSFRIQTSNGRKTAYNVAASNWVFGRSYSSNVQF\*

### CDS (coding sequence)

>AcEXPA-15

ATGTTGTTAATCAACTTCAGAGAAATTCATAAATTTTGTAAATTTGTCAGCAAAAAT  
TTGTCCATTGCTAATCCATGTTCAAAGATCATTGGAACAAACACAGGTGAGGCCG  
AGGACCGTGATGAAGAAGTTTATGAAATTTGTGTGGGTCAGATCACGTAGGTTGT  
TAACCGACCTCAGGGGAAGAAAGCAATTAAGCAACTGAAGTTTGCACCTATGG  
AAAACTTTTGCATTTGGAGATTTTGCCTAACAATGGTGGATGGTGCAACCCGCC  
ACGACAACACTTTGACATGTCGCAACCTGCATTTCAGAAGATTGCAGTTTCCAAA  
GCCGGCATTGAACCTGTGCTCTATAGAAAGGGTAGTTGCAAGAGAACTGGAGGG  
ATTCGATTGACCATCACCAGACGAGATTACTTCGACCTGGTCCCTCATAAATAATG  
TAGGAGCAACTGGAGATATAGCAAAGGTCTGGATGAAAGGGTCCAAAACAAATA  
GTTGGGAACCAATGTCCAGAACTGGGGATCAAAGCTGCCAAAGCTCGACCTATCT  
GAATCGCCAGAGTTTATCATTAGAAATCCAGACAAGCAATGGACGTACGAAAAC  
AGCATATAATGTCGCGGCTTCTAATTGGGTATTCGGCCGATCTTACTCCAGCAAT  
GTTCAAGTTCTAA

### Nucleotide

>AcEXPA-15

ATGTTGTTAATCAACTTCAGAGAAATTCATAAATTTTGTAAATTTGTCAGCAAAAAT  
TTGTCCATTGCTAATCCATGTTCAAAGATCATTGGAACAAACACAGGTATGGATC  
TAACATTGGTTTAGGGTTCTACATGCTATTATGTTTAAAGTTCCTTGAATTTGATG  
CCAGGTGAGGCCGAGGACCGTGATGAAGAAGTTTATGAAATTTGTGTGGGTCAG  
ATCACGTAGGTTGTTAACCGACCTCAGGGGAAGAAAGCAATTAAGCAACTGAA  
GTTTGCACCTATGGGTAGGTAGTGTTATCTATAATTATAAGGAAATATGATGTTTG

TTGAGAAAAGGTGGTGGATTGTGTTGGACAGATTAATACAAAGGAAGAAAACCTG  
TCGTAACCAAAATTCATTTCTATTAAGATACTGTCTCCAATCAATTGAAGATCATC  
ACCTACTGTTCTTCGTTTCTAGGTTAGGTCTTGCTTCAAATCATTAATTGAAATTC  
CTCTTTGTTTTCAATTTGTTTTGTAAATTTTGTGTTTCATGATGAATTGAATCAAGT  
AGATTGGACTGGAGTTGAATCTCTCAATAAAACAGCAGGTATCTAGGTTAAGATA  
AGGTATGATTGTGATAAACTTATCGCAGAAAACTTTTGCATTTGGAGATTTTGC  
GTAACAATGGTGGATGGTGCAACCCGCCACGACAACAACACTTTGACATGTCGCAACC  
TGCATTTCAGAAGATTGCAGTTTCCAAAGCCGGCATTGAACCTGTGCTCTATAGA  
AAGTATGTTCCCATATCATATATCAACCACTACCAAATTTACATTCTCATGAATTA  
GTGACTGATATATTATCTACCTCTGTCTGTATATCTCAGGGGTAGTTGCAAGAGA  
ACTGGAGGGATTTCGATTGACCATCACCAGACGAGATTACTTCGACCTGGTCCTCA  
TAAATAATGTAGGAGCAACTGGAGATATAGCAAAGGTCTGGATGAAAGGGTCCA  
AAACAAATAGTTGGGAACCAATGTCCAGAAACTGGGGATCAAACCTGCCAAAGCT  
CGACCTATCTGAATCGCCAGAGTTTATCATTTAGAATCCAGACAAGCAATGGACG  
TACGAAAACAGCATATAATGTCGCGGCTTCTAATTGGGTATTCGGCCGATCTTAC  
TCCAGCAATGTTCAAGTTCTAAGACATCTGACTCGAAAATTTCCATTTCTTTCCTCA  
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